

Emergency Gas Scrubber



Standing Guard Against Toxic Gas Leaks

PureAir's Emergency Gas Scrubber (EGS), combined with Safetysorb adsorbent media, offers a dependable safety solution for managing hazardous gas leaks. It serves as the ideal line of defense for facilities storing and using toxic gases like chlorine and ammonia, which could endanger employee safety in the event of a leak.

It is imperative for facilities storing toxic gases to understand the safety risks associated with an emergency gas leak and establish a comprehensive safety plan to protect employees, the surrounding community, and the environment. The EGS scrubber enables companies to prioritize employee safety while effectively managing the threat of hazardous gas leaks.

How it Works

Filled with Safetysorb adsorbent media, the EGS scrubber remains on standby to adsorb toxic gases in the event of an emergency gas leak.

Once a leak is detected, the EGS scrubber springs into action, capturing the escaping toxic gases before they can endanger employees, the surrounding community, and the environment. As the toxic gas passes through a bank of Safetysorb media, it is neutralized, allowing only clean air to be released. This reaction produces a harmless by-product that can be safely disposed of as non-hazardous solid waste.



EGS-808



EGS-150 with LIFEGARD™
Media Bed Monitor



EGS-300



EGS-707



Safetysorb
Adsorbent Media

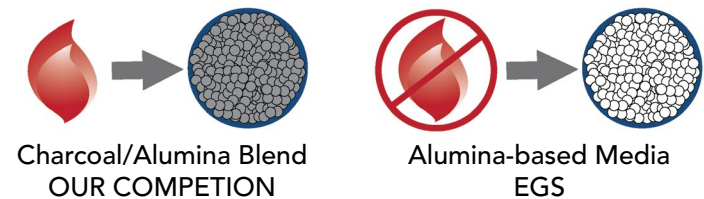


EGS MODEL #	AIR FLOW RANGE CMH (CFM)	MOTOR MAX (HP)	MEDIA VOLUME M ³ (FT)	SHIPPING WEIGHT (LBS)	OPERATING WEIGHT (LBS)	CHLORINE CAPACITY
EGS-150	1,070-2,124 (630-1,250)	5-10	1.4 (50)	1,100	4,100	150 lbs Canister
EGS-300	1,700-3,228 (1,000-1,900)	5-10	2.8 (100)	1,500	6,500	300 lbs Canister
EGS-707	5,100-8,495 (3,000-5,000)	20-25	12.5 (440)	4,000	26,000	One-Ton Canister
EGS-8	5,100-8,495 (3,000-5,000)	20-25	12.5 (440)	4,000	26,000	One-Ton Canister
EGS-808	6,800-11,045 (4,000-6,500)	25-30	22.4 (880)	8,000	52,000	2 - One-Ton Canisters
EGS-10	6,800-13,252 (4,000-7,800)	25-30	22.4 (880)	8,000	52,000	2 - One-Ton Canisters

Benefits	Features
Reliable and Effective	<ul style="list-style-type: none"> Prioritizes employee and environmental safety Provides on-site protection to minimize gas leak risks Enhances EPA Risk Management rating
Low Maintenance	<ul style="list-style-type: none"> A decade of zero operating costs Operates seamlessly with just one moving part
Fast-Acting	<ul style="list-style-type: none"> Rapidly and effectively neutralizes hazardous gases Capable of detecting leaks before the facility's main alarm system
Adsorbent Media	<ul style="list-style-type: none"> Alumina-based, non-flammable Safetysorb Designed to adsorb chlorine molecules Non-hazardous by-product is landfill disposable
Customizable	<ul style="list-style-type: none"> Multiple configuration to handle up to 8,495 (5,000 CFM) of airflow and up to two tons (1,814 kg/4,000 lbs) of hazardous gas Available in horizontal and vertical airflow configurations Multiple Drawthru blower options

Safetysorb Adsorbent Media

Safetysorb, an alumina-based adsorbent media, is fireproof and UL rated, offering a crucial layer of protection against equipment damage in the event of a leak. Its non-flammable properties enhance safety, while effectively adsorbing chlorine molecules by attracting them to its surface, ensuring reliable gas capture and improved safety measures.



How does the EGS compare to traditional wet scrubbers?

EGS Components	Wet Scrubber Components
Vessel	Vessel
Blower	Blower
Adsorbent Media	Pumps
	Lines
	Nozzles
	Valves
	Holding Tanks for Caustic Liquid

Fewer moving parts = Less maintenance